R E P O R T R E S U M E S

ED 003 850 24

RETRIEVAL OF INTELLECTUAL APTITUDE DATA.

BY- HOEPFNER, RALPH GUILFORD, J.P.
UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES

REPORT NUMBER CRP-S-063 PUB DATE 65
EDRS PRICE MF-$0.09 HC-$0.68 17P.

DESCRIPTORS- *TEST RESULTS, *APTITUDE TESTS, *INFORMATION RETRIEVAL, *INFORMATION DISSEMINATION, INFORMATION PROCESSING, DATA PROCESSING, *MICROFILM, LOS ANGELES, CALIFORNIA

DATA COLLECTED FROM 15 YEARS OF PSYCHOLOGICAL TESTING UNDER THE APTITUDES RESEARCH PROJECT IN THE DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF SOUTHERN CALIFORNIA, WERE MICROFILMED OR KEYPUNCHED AND MADE AVAILABLE TO EDUCATORS, PSYCHOLOGISTS, AND GRADUATE STUDENT RESEARCHERS. EACH TEST HAD BEEN ADMINISTERED TO ABOUT 600 EXAMINEES. STUDENT HAND-WRITTEN OR SKETCHED RESPONSES, ON AN AVERAGE OF 3 PAGES EACH, FOR ABOUT 250 TESTS WERE MICROFILMED IN APPROXIMATELY 500,000 FRAMES. RESPONSES FOR ANOTHER 250 TESTS WHICH USED ANSWER SHEET FORMATS WERE KEYPUNCHED ON IBM CARDS. APPENDICES LISTED MICROFILMED DATA BY REPORT-AND-FILM CODES AND KEYPUNCHED DATA BY REPORT NUMBER. KEYPUNCHED MATERIAL INCLUDED CORRELATION MATRICES FROM ALL OF THE REPORTS. (JM)

S-063

ED003850

U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
Office of Education
This document has been reproduced exactly as received from the person or organization originating it. Points of view or opinions stated do not necessarily represent official Office of Education position or policy.

Retrieval of Intellectual Aptitude Data

Cooperative Research Project No. S-063

Ralph Hoepfner

and

J. P. Guilford

University of Southern California

Los Angeles, California

1965

The research reported herein was supported by the Cooperative Research Program of the Office of Education, U. S. Department of Health, Education, and Welfare.

TABLE OF CONTENTS

Objectives 2

Procedure 3

Appendix A. Index of Microfilmed Data 4

Appendix B. Index of Keypunched Data 13

OBJECTIVES

The history of the Aptitudes Research Project, Department of Psychology, University of Southern California began in 1949. By 1950, the first Report from this Project, concerned with the factor-analytic exploration of intellectual factors, was published and widely circulated. Since that date, 33 such Reports have been distributed. The Reports have been enthusiastically received, according to inferences from the Project's permanent mailing list, and from special requests from educators who believe they can apply the theoretical findings to advantage in connection with teaching techniques and procedures.

Eager to fill a vital roll in research in education as well as in psychology, the Project has further aided many educational investigators by supplying them with Project materials. More specifically, these investigators have requested either detailed norm information for use in evaluating their students' abilities, or responses and item information so that they could shorten or modify the test forms for their specific purposes. Considering that the number of test forms on which the Project has done developmental and analytic research is now more than 500, and that no previous work was done to record efficiently or make easily available individual responses and scores, it is understandable that many requests went unfilled. The problems of retrieving the data occasionally were too great.

The objective, then, was to make the large quantities of data, resulting from years of extensive and intensive research, available to individuals interested in using and applying them in new areas.

Beginning with the most recent test developments, and working backwards chronologically, the objectives were to microfilm all copies of completed tests where responses were written or sketched, and to keypunch onto IBM cards all responses to completed tests in answer-sheet format. These records would then be available for research use by interested and qualified educators, psychologists, and graduate students. A general description of such available data was to be compiled and distributed.

PROCEDURES

Standard procedures for identifying and recording each response of every examinee were used. In microfilming data, only pages of responses, identified by examinee number, were reproduced. About 250 such tests, with hand-written or sketched responses, were microfilmed. These tests average three pages of responses each and they had been administered to approximately 600 examinees. Thus a total of approximately 500,000 microfilm frames were taken. The remaining 250 tests, in answer-sheet format, each administered to about 600 examinees, had responses recorded on IBM cards. The two procedures were concurrent. All the data recording was completed within one year. Appendix A to this Report indexes the data that were microfilmed, and Appendix B indexes the data that were keypunched. The keypunched material includes all the correlation matrices from the various Reports.

Educational and psychological investigators interested in obtaining further information concerning the availability of microfilms and IBM cards should address inquiries to: Aptitudes Research Project, Department of Psychology, University of Southern California, Los Angeles, California 90007.

APPENDIX A
Index of Microfilmed Data

Code: first number refers to the number of the Report from the Psychological Laboratory, U. S. C.
second number refers to the number of the film within that report.
third number refers to the order in which the film was processed.

3-1/172	Summary Data, Answer Sheets, Circle Reasoning, Correlate Completion, Figure Analogies Completion, Form Reasoning.
3-2/173	Form Reasoning, Identical Forms, Numerical Operations, Perceptual Speed.
3-3/174	Perceptual Speed, Punched Holes, Secret Writing, Spatial Orientation.
6-1/168	Answer Sheets, Absurdities.
6-2/169	Absurdities, Correlate Completion, Figure Analogies Completion.
6-3/169	Figure Analogies Completion, Form Reasoning, Perceptual Speed.
6-4/170	Perceptual Speed, Punched Holes.
6-5/171	Punched Holes, Word-Group Naming.
8-1/175	Summary Data, Answer Sheets, Apparatus Test.
8-2/176	Apparatus Test, Associations I, Associations II, Brick Uses, Disarranged Words, F Test.
8-3/177	F Test, Figure Analysis, Figure Concepts Test, Gestalt Transformation, Implied Uses.
8-4/178	Implied Uses, Impossibilities Test, Marking Speed Test, Circle-Square I, Circle-Square II.
8-5/179	Circle-Square II, Common Situations Test, Concept Synthesis.
8-6/180	Consequences, Controlled Associations, Match Problems.
8-7/181	Match Problems, Mutilated Words Test, Number Association, Object Synthesis.
8-8/182	Object Synthesis, Number Associations, Implied Uses, Figure Concepts Test, Gestalt Transformation, Concept Synthesis, Paragraph Analysis, Figure Analysis, Figure Concepts Test, Perceptual Speed.
8-9/183	Perceptual Speed, Picture Gestalt, Common Situations Test, Plot Titles.

8-10/184	Plot Titles, Object Synthesis, Quick Responses, Sentence Analaysis, Sentence Synthesis.
8-11/185	Sentence Synthesis, Sentence Gestalt, Sign Changes, Social Situations.
8-12/186	Social Situations, Social Institutions, Spatial Orientation.
8-13/187	Spatial Orientation, Street Gestalt Completion, Unusual Details.
8-14/188	Unusual Details, Unusual Uses, Word Matrices, Word Transformations, (Report 13 summary data).
9-1/155	Answer Sheets, Summary Data.
9-2/156	Answer Sheets, Correlate Completion, Inferences II, Figure Analogies Completion, Object Synthesis.
9-3/157	Object Synthesis, Syllogisms III, Verbal Classification.
9-4/158	Verbal Classification, Common Situations Test, (Report 12: Ranking of Variables, Seeing Deficiencies, Seeing Trends; Report 9: Punched Holes).
9-5/159	Punched Holes, Unusual Details, Controlled Associations.
9-6/160	Figure Analogies Completion, Object Synthesis, (Report 17: Answer Sheets, Alternate Headlines, Associations III, Associations IV, Brick Uses, Controlled Associations).
12-1/141	Awareness of Variables, Alternate Methods, Consequences Test.
12-2/142	Consequences Test, Contigencies, Controlled Associations II.
12-3/143	Controlled Associations II, Effects Test, Figure Production, Line Drawing.
12-4/144	Line Drawing, Match Problems I, Match Problems II, Matrix Order.
12-5/145	Matrix Order, Outlining, Pertinent Questions.
12-6/146	Picture Arrangement, Planning Elaboration, Pertinent Questions.
12-7/147	Planning Elaboration, Planning Skills, Planning Skills II, Plot Titles.
12-8/148	Plot Titles, Procedure Applications, Ranking of Variables.
12-9/149	Ranking of Variables, Seeing Deficiencies.
12-10/150	Seeing Trends, Sensitivity to Order, Sentence Order, Series.
12-11/151	Series, Sign Changes, Symbol Grouping, Symbol Production.

12-12/152	Symbol Production, Temporal Ordering, Unusual Methods.
12-13/153	Unusual Methods, Verifications, Word Matrices, WILCO Data Sheets.
12-14/154	Answer Sheets, (Report 9: Aircrew Record Cards, Summary Data).
13-1/189	Apparatus Test, Associations, Associations III, Brick Uses, Controlled Associations II, Correlate Completion, Correlate Completion II, Controlled Association.
13-2/190	Correlate Completion II, Match Problems, Outlining Test, Planning Elaboration, Planning Skills, Plot Titles, Sign Changes.
13-3/191	Sign Changes, Social Institutions, Symbol Grouping, Unusual Uses, Verbal Analogies Completion, Verbal Relations Completion.
14-1/120	Numerical Operations, Rules, Secret Writing, Balances, Necessary Facts.
14-2/121	Necessary Facts, Circle Reasoning, Circle-Square-Triangle.
15-1/101	Hill's Mathematics, by Examinee.
15-2/102	Hill's Mathematics, by Examinee, (Report 16: Circle Reasoning, Completion of Figural Changes, Correlate Completion II, Figure Analogies Completion, Form Reasoning).
16-1/103	Form Reasoning, Inventive Verbal Relations, Letter Series, Matrix Order.
16-2/104	Matrix Order, Number Series, Perceptual Relations Naming, Seeing Trends I.
16-4/105	Seeing Trends I, Seeing Trends II, Sign Changes, Verbal Analogies Completion.
16-5/106	Verbal Analogies Completion, Verbal Classification, Verbal Relations Naming, Controlled Associations I, Controlled Associations II.
16-6/107	Controlled Associations II, Correlate Completion II, Figure Analogies Completion, Inventive Verbal Relations, Perceptual Relations, Letter Grouping.
16-7/108	Answer Sheets.
16-8/109	Answer Sheets, Picture-Group Naming, Seeing Trends, Seeing Trends II, Verbal Analogies Completion.
16-9/110	Verbal Analogies Completion, Verbal Classification, Verbal Relations Naming, Vocabulary Completion.
16-10/111	Vocabulary Completion, Word Groups, Word-Group Naming, Data Summary, Associations III, Associations IV, Verbal Classification.

16-11/112	Verbal Classification, Apparatus Test, Associations III, Associations IV, Cartoons.
16-12/113	Cartoons, Consequences, Controlled Associations.
16-13/114	Controlled Associations I, Controlled Associations II, Letter Grouping, Object Synthesis, Picture-Group Naming.
16-14/115	Picture-Group Naming, Plot Titles, Quick Response, Seeing Deficiencies.
16-15/116	Seeing Deficiencies, Seeing Problems.
16-16/117	Seeing Problems, Similarities, Social Institutions, Social Situations.
16-17/118	Social Institutions, Unusual Uses, Vocabulary Completion, Word-Group Naming.
16-18/119	Word-Group Naming, Word Grouping, (Report 14: Answer Sheets).
17-1/161	Controlled Associations, Cartoons, Descriptive Completion.
17-2/162	Descriptive Completion, Four-Word Combinations FL, Four-Word Combinations, Inventive Opposites, Inventive Verbal Relations, Marking Speed Test.
17-3/163	Plot Titles, Rhymes, Simile Completion, Simile Insertion.
17-4/164	Simile Insertion, Simile Interpretation, Suffixes, Thing Listing, Thing Listing III.
17-5/165	Thing Listing III, Two-Word Combinations, Two-Word Combinations FL, Verbal Relations Naming, Word Listing II.
17-6/166	Vocabulary Completion, Word Arrangement, Word-Group Naming, Word Listing O, Word Listing III.
17-7/167	Word Listing III, Word Synthesis, Word Listing I, Summary Data, (Report 6: Summary Data, Bklt I Answer Sheets).
18-1/123	Answer Sheets (Report 16: Seeing Problems, Social Institutions, Unusual Uses; Report 14: Summary Data, Numerical Operations).
18-2/124	Answer Sheets, Summary Data, Brick Uses, Camouflaged Words, Chain Associations.
18-3/125	Camouflaged Words, Chain Association, Circle Square I, Consequences Test, Figure Analysis, Impossibilities, Insight Problems.
18-4/126	Insight Problems, Match Problems II, Object Naming, Object Synthesis, Plot Titles.
18-5/127	Plot Titles, Puzzles, Brick Uses, Rhyming Definitions, Riddles, Sign Changes, Squares.

18-6/128	Squares, Syllables, Twenty Questions, Unusual Uses, Water Jars, (Report 22: Apparatus Test, Associational Fluency, Attribute Listing).
20-1/192	Summary Data, GZTS Answer Sheets, (Report 13: Verbal Relations Completion, Vocabulary Completion; Report 8: Fogged Data).
20-2/193	Answer Sheets, Plot Titles, Consequences, Vocabulary Completion, Inventive Opposites, Thing Listing, Word Listing O, Alternate Headlines, Two-Word Combinations, Brick Uses.
20-3/194	Brick Uses, Four-Word Combinations, Suffixes, Inventive Opposites, Simile Completion, Rhymes, Controlled Associations II.
20-4/195	Controlled Associations II (Dow Validation Data).
21-1/135	Apparatus Test, Brick Uses, Consequences.
21-2/136	Consequences, Match Problems, Pertinent Questions, Answer Sheets.
21-3/137	Answer Sheets, Plot Titles, Seeing Deficiencies.
21-4/138	Seeing Deficiencies, Seeing Problems, Similarities, Social Institutions, Unusual Details.
21-5/139	Unusual Details, Unusual Uses, Kuder Answer Sheets, GZTS Answer Sheets, Data Summary.
21-6/140	Data Summary, Ratings, (Report 12: Alternate Methods, Awareness of Variables).
22-1/129	Attribute Listing I, Attribute Listing II, Brick Uses, Cartoons, Contingencies, Differences.
22-2/130	Differences, Episodes, Figure Concepts, Ideational Fluency, Missing Links, Multiple Grouping.
22-3/131	Multiple Grouping, Object Naming, Object Synthesis, P.S. Opinion Survey Answer Sheets, Paired Similarities, Pertinent Questions, Possibilities.
22-4/132	Possibilities, Predicaments, Seeing Problems, Sequential Association, Similarities, Transitions.
22-5/133	Transitions, Verbal Classification, Vocabulary Completion, Word Grouping, Paired Similarities.
22-6/134	Paired Similarities, Answer Sheets, Summary Data, (Report 21: Alternate Methods).
23-1/68	Number-Group Naming, Word Groups, Seeing Trends II, Word Transformation, Letter Grouping, Word Patterns, Circle Reasoning.

23-2/69	Circle Reasoning, Picture Arrangement, Word Changes, Word Fluency, Camouflaged Words.
23-3/70	Camouflaged Words, Picture-Group Naming, Symbol Grouping, Numerical Operations, Disemvowelled Words.
23-4/71	Disemvowelled Words, Limited Sums, Number Series Correction, Four-Letter Words, Summary Data.
26-1/43	Associational Fluency, Figure Production, Decorations.
26-2/44	Decorations, Consequences, Planning Air Maneuvers, Planning Elaboration II, Plot Titles, Production of Figural Effects.
26-3/45	Production of Figural Effects, Ideational Fluency, Match Problems II, Match Problems V, Alternate Signs, Alternate Uses.
26-4/46	Alternate Uses, Consequences, Marking Speed, Make A Code, Seeing Problems.
26-5/47	Seeing Problems, Simile Insertions, Simile Interpretations, Suffixes, Utility Test, Word Fluency.
26-6/48	Word Fluency, Multiple Analogies, Multiple Grouping, Possible Jobs, Simile Insertions.
26-7/49	Simile Insertions, Simile Interpretations, Figure Production.
26-8/50	Expressional Fluency, Seeing Problems.
26-9/51	Seeing Problems, Word Fluency, Planning Elaboration II.
26-10/52	Planning Elaboration I, Planning Elaboration II, Plot Titles.
26-11/53	Plot Titles, Suffixes, Utility Test, Number Combinations.
26-12/54	Number Combinations, Marking Speed, Match Problems.
26-13/55	Match Problems II, Match Problems V.
26-14/56	Possible Jobs, Production of Figural Effects, Planning Air Maneuvers.
26-15/57	Planning Air Maneuvers, Associational Fluency.
26-16/58	Ideational Fluency.
26-17/59	Ideational Fluency, Consequences.
26-18/60	Consequences, Decorations, Alternate Signs.
26-19/61	Alternate Signs, Alternate Uses.
26-20/62	Alternate Uses, Decorations, Make A Code.

26-21/63	Make A Code, Expressional Fluency.
26-22/64	Expressional Fluency, Figure Production.
26-23/65	Figure Production, Multiple Analogies, Multiple Grouping.
26-24/66	Multiple Grouping, Locator Cards, Summary Data.
26-25/67	Summary Data.
27-1/72	Four-Word Sentences, Different Ways, Similar Words.
27-2/73	Ways to Use It, Making A Plan, What Would Happen.
27-3/74	What Would Happen, Similar Words, Names for Stories, Seeing Problems, Match Problems V, CTMM Answer Sheets.
27-4/75	CTMM, Calif. Reading Test, Calif. Arith. Test, Filling Blanks.
27-5/76	Filling Blanks, Making Objects, Getting Out of Trouble.
27-6/77	Getting Out of Trouble, Different Uses, (MB-Schmadel: Problems).
27-7/78	Marking Speed, What Would Happen, Four-Word Snetences, Misc. Data.
27-8/79	Misc. Data, Names for Stories, Examinee Rosters, Score Rosters.
27-9/80	Misc. Data, Match Problems V, Seeing Problems.
27-10/81	Seeing Problems, Marking Speed Test, Filling Blanks, Possible Jobs.
27-11/82	Possible Jobs, Problems.
27-12/83	Problems, Misc. Data, Line Drawing, Four-Word Sentences.
28-1/35	Summary Data, (English Validation Study).
28-2/36	Pact Study Cont'd - Summary Data.
28-3/37	What Would Happen, Ways to Use It.
28-4/38	Ways to Use It, Marking Speed Test, Booklet B, Four-Word Sentences, Names for Stories.
28-5/39	Misc. Data, PACT Inventory Answer Sheets.
28-6/40	Ratings of Behavior Patterns, (Chouinard Study Beginning).
28-7/95	Teacher's Ratings, Accounting Books.
29-1/33	Misc. Data, Traffic Project.

29-2/34	Traffic Project, Make A Figure, Make A Mark, Making Objects, (English Validation Beginning).
29-3/84	Varied Figural Classes, Numerical Operations, Figural Similarities, Varied Symbols, Figural Similarities.
29-4/85	Figural Similarities, Match Problems III, Make A Mark, Seeing Trends II, Limited Words, Dot Systems, Letter Group Relations, Varied Symbols.
29-5/86	Letter Group Relations, Limited Words, Designs, Dot Systems, Perceptual Speed.
29-6/87	Perceptual Speed, Making Objects, Misc. Data.
29-7/88	Summary Data, Number Rules, Match Problems IV.
29-8/89	Match Problems IV, Monograms, Name Grouping.
29-9/90	Number Grouping, Match Problems IV, Alternate Additions, Number Rules, Alternate Letter Groups.
29-10/91	Alternate Letter Groups, Match Problems III, Limited Words, Designs, Four-Letter Words.
29-11/92	Four-Letter Words, Designs, Dot Systems, Sketches, Seeing Trends II.
29-12/93	Seeing Trends II, Symbol Elaboration, Varied Figural Classes, Symbol Elaboration, Sketches.
29-13/94	Sketches, (Report 28: Teachers' Ratings).
29-14/96	Perceptual Speed, Accounting Books.
31-1/5	Score Sheets.
31-2/6	School Measures, Answer Sheet G, C, D, H, Letter Series.
31-3/7	Letter Series, Picture Arrangement.
31-4/8	Matched Verbal Relations, Alternate Additions.
31-5/9	Alternate Additions, Seeing Trends II, Sign Changes.
31-6/10	Word Patterns, Form Reasoning, Circle Reasoning, Sign Changes.
31-7/11	Sign Changes, Camouflaged Words, Sentence Order.
31-8/12	Sentence Order, Word Changes, Word Transformation, Symbol Grouping, F Test.
31-9/13	F Test, Necessary Facts, Math Achievement Test A-2.
31-10/14	Math Achievement Test A-2, Math Achievement Test B-1.

31-11/15	Math Achievement Test A-2, Math Achievement Test B-1, Math Achievement Test A-1.
31-12/16	Math Achievement Test A-2, Letter Series, Limited Words.
31-13/17	Limited Words, Number Combinations, Correlate Completion, Number Rules.
31-14/18	Number Rules, Numerical Operations.
31-15/19	Numerical Operations, Summary Data, Test Booklets.
31-16/122	Summary Data, Test Correspondence to 1961.
32-1/27	Similarities, Pertinent Questions, Correspondence, 1960-61.
32-2/28	Pertinent Questions, Apparatus Test, Picture Gestalt.
32-3/29	Picture Gestalt, Possible Jobs, Seeing Problems.
32-4/30	Seeing Problems, Verbal Classification, Word Completion, Answer Sheets.
32-5/31	Answer Sheets.
32-6/32	Answer Sheets, (Traffic Project).
33-1/1	Answer Sheets, School Records.
33-2/2	Symbol Grouping, Perceptual Speed, Sign Changes, Number Grouping, Word Patterns, Camouflaged Words, S Test, Seeing Trends.
33-3/3	Seeing Trends II, Symbol Identities, Numerical Operations, Circle Reasoning, Letter "U," Disemvowelled Words, Number-Group Naming, Word Transformation, Varied Symbols.
33-4/4	Varied Symbols, Word Changes, Derivations, Form Reasoning, (Report 31: Answer Sheets).
33-5/196	Summary Data, Identical Forms, (Report 32: La Puente Rotations).
DM-1/20	Ship Destination, Alternate Uses, Brick Uses, Letter Series, Rotations, Verbal Comprehension. (Data supporting dissertation by R. deMille.)
DM-2/21	Verbal Comprehension, Ideational Fluency, Seeing Problems.
DM-3/22	Seeing Problems, Numerical Operations, Unusual Details.
DM-4/23	Unusual Details, Time Reports, (Report 34: School Data).
CH-1/41	Chouinard Tests (by Examinee). (Validation study on Chouinard art students.)

CH-2/42	Chouinard Tests (by Examinee).
BK-1/24	Books and Correspondence. (Contract accounts and Letters.)
BK-2/25	Books and Correspondence.
BK-3/26	Books and Correspondence.
BK-4/97	Time Reports and Correspondence.
BK-5/98	Correspondence and Administration Manual for ARP Studies.
ADM-1/99	Administration Manuals for Reports 4, 6, 8, 10, 11, 12, 16, 13, 15, 17, 18, and 21.
ADM-2/100	Administration Manuals for Reports 22, 23, 26, 27, 28, 29, 31, 32, 33, 34, Lockheed Validation, Mills College.

APPENDIX B

Keypunched Data*

Report 12	Competitive Planning, Route Planning Essential Operations, Planning III Manuevers, Planning A Circuit, Code Analysis, Verbal Comprehension, Ship Destination, Logical Reasoning, Inference Test, Verbal Analogies I, Symbol Manipulation.
Report 13	Essential Operations, Form Reasoning II, Logical Reasoning, Problem Solving, Ship Destination, Sign Changes, Symbol Manipulation II, Verbal Comprehension.
Report 15	Figure Analogies, Figure Classification, Figure Matching, Figure Matrix, Gestalt Transformation, Letter Triangle, Logical Classification, Picture Classification, Ship Destination, Sign Changes II, Symbol Manipulation II, Verbal Analogies I, Verbal Comprehension, Word Classification.
Report 18	Circle-Square-Triangle, Ship Destination, Verbal Comprehension.
Report 21	Route Planning, Ship Destination, Social Situations, Verbal Comprehension.
Report 22	Common Needs, Gestalt Transformation, Logical Reasoning, Sentence Pairs, Ship Destination, Verbal Analogies I, Verbal Comprehension.
Report 23	Alterations, Camouflaged Words, Disemvowelled Words, Letter Analogies, Letter Triangle, Limited Sums, Number Classification, Number-Group Naming, Number Relations, Number Series Correction, Omelet Test, Operations Sequence, Ordering I, Seeing Trends II, Ship Destination, Symbol Grouping, Verbal Comprehension, Word Changes, Word Combinations, Word Groups, Word Patterns, Word Relations, Word Transformations, Score Matrices.
Report 28	All Ratings, Inventory Responses, Score Rosters.
Report 29	Part-total scores for: Alternate Additions, Alternate Letter Groups, Designs, Dot Systems, Figural Similarities, Figure Classification, Four-Letter Words, Letter Group Relations, Limited Words, Make A Figure (fluency), Make A Figure (shifts), Make A Mark, Making Objects, Match Problems III, Match Problems II, Monograms, Name Grouping, Number Grouping, Number Rules, Perceptual Speed, Picture Classification, Seeing Trends II, Sketches, Symbol Elaboration, Varied Figural Classes, Verbal Comprehension; test responses for: Figure Classification, Picture Classification, Verbal Comprehension, Word Relations: score matrices.

*Keypunching of data included only Reports 12 through 34, where answer-sheet responses were available. All answer sheets for reports 3 through 11 were recorded on microfilm; keypunching could be done from microfilm records.

APPENDIX B
Index of Keypunched Data*

Report 12	Competitive Planning, Route Planning Essential Operations, Planning Air Maneuvers, Planning A Circuit, Code Analysis, Verbal Comprehension, Ship Destination, Logical Reasoning, Inference Test, Verbal Analogies I, Symbol Manipulation.
Report 14	Essential Operations, Form Reasoning II, Logical Reasoning, Problem Solving, Ship Destination, Sign Changes, Symbol Manipulation II, Verbal Comprehension.
Report 16	Critical Evaluation, Figure Analogies Figure Classification, Figure Matching, Figure Matrix, Gestalt Transformation, Letter Triangle, Logical Classification, Picture Classification, Prescribed Relations, Remote Verbal Similarities, Ship Destination, Sign Changes II, Symbol Manipulation II, Verbal Analogies I, Verbal Comprehension, Word Classification.
Report 18	Circle-Square-Triangle, Ship Destination, Verbal Comprehension.
Report 21	Route Planning, Ship Destination, Social Situations, Verbal Comprehension.
Report 22	Common Needs, Gestalt Transformation, Logical Reasoning, Sentence Pairs, Ship Destination, Verbal Analogies I, Verbal Comprehension.
Report 23	Alterations, Camouflaged Words, Disemvowelled Words, Letter Analogies, Letter Triangle, Limited Sums, Number Classification, Number-Group Naming, Number Relations, Number Series Correction, Omelet Test, Operations Sequence, Ordering I, Seeing Trends II, Ship Destination, Symbol Grouping, Verbal Comprehension, Word Changes, Word Combinations, Word Groups, Word Patterns, Word Relations, Word Transformations, Score Matrices.
Report 28	All Ratings, Inventory Responses, Score Rosters.
Report 29	Part-total scores for: Alternate Additions, Alternate Letter Groups, Designs, Dot Systems, Figural Similarities, Figure Classification, Four-Letter Words, Letter Group Relations, Limited Words, Make A Figure (fluency), Make A Figure (shifts), Make A Mark, Making Objects, Match Problems III, Match Problems II, Monograms, Name Grouping, Number Grouping, Number Rules, Perceptual Speed, Picture Classification, Seeing Trends II, Sketches, Symbol Elaboration, Varied Figural Classes, Verbal Comprehension; test responses for: Figure Classification, Picture Classification, Verbal Comprehension, Word Relations; score matrices.

*Keypunching of data included only Reports 12 through 34, where answer-sheet responses were available. All answer sheets for reports 3 through 11 were recorded on microfilm; keypunching could be done from microfilm records.

Report 31	Best Trend Name, Camouflaged Words, Circle Reasoning, Correlate Completion II, Form Reasoning, Letter-Number, Letter Series, Letter Triangle, Matched Verbal Relations, Necessary Facts, Number Rules, Numerical Operations, Right Order Test, Ship Destination Test, Word Linkage, Word Relations, Word Transformation, Abbreviations, Condensations, Letter-Number Scales, Limited Words, Most Similar Sets, Sign Changes II.
Report 32	Best Trend Name, Best Word Class, Best Word Pairs, Class Name Selection, Commonsense Judgment I, Commonsense Judgment II, Complete Thoughts, Double Descriptions, Important Facts, Logical Reasoning, Matched Verbal Relations, Useful Changes, Verbal Analogies I, Verbal Analogies III, Verbal Comprehension, Word Extension, Word Linkage, Word Substitution, Word Systems.
Report 33	Abbreviations, Best Letter Set, Best Number Class, Best Number Pairs, Camouflaged Words, Circle Reasoning, Correct Letter Orders, Correct Number Series, Correct Spelling, Decoding, Derivations, Disemvowelled Words, Familiar Letter Combinations, Form Reasoning, Identical Forms, Jumbled Words, Letter Problems, Letter Triangle, Number Classification, Number-Group Naming, Numerical Operations, Related Words I, S Test, Seeing Trends II, Series Relations, Sign Changes, Sign Changes II, Similar Pairs, Symbol Grouping, Symbol Manipulation, Symbol Reasoning, Typing Errors, Varied Symbols, Way-Out Numbers, Word Changes, Word Choice, Word Combinations, Word Patterns, Word Relations, Word Transformation, Ratings, School Data.
Report 34	Cartoon Analogies, Cartoon Exchange, Cartoon Implications, Cartoon Predictions, Expressions, Expression Exchange, Expression Grouping, Faces, Facial Situations, Figure Matrix, Hidden Figures, Inflections, Missing Cartoons, Missing Pictures, Mutilated Words, Odd Strip Out, Picture Exchange, Picture Exclusion, Questions II, Reflections, Ship Destination Test, Silhouette Relations, Social Relations, Social Translations, Sound Meaning, Stick Figure Opposites, Verbal Analogies I, Verbal Comprehension, Who Said It, Word Classification, Word Matrix Test, School Data.
Report 35	Score Matrix
All Studies:	Correlation Matrices for all studies are punched.